PATENT ABSTRACTS OF JAPAN

(54) **INTER MOTION COMPENSATED FRAME CODING METHOD**

(57) Abstract:

PURPOSE: To make degradation inconspicuous in an area where movement is uniform.

CONSTITUTION: A difference vector calculation part 124 calculates the sizes 125 of the difference vectors of the motion vector 105 of a coding object small block and the motion vectors of the eight adjacent small blocks. A maximum value calculation part 126 obtains a maximum value 121 among the sizes 125 of the eight difference vectors and sends it to a quantization step calculation part 117A. The quantization step calculation part 117A sets coarse quantization steps when intra-frame dipersion 116 is large, finely sets the quantization steps for a part where the intra-frame dispersion 116 is small, sets the coarse quantization steps when the maximum value 127 of the difference vector is large and finely sets the quantization steps for the part where the maximum value 127 is small under an allocated code amount based on the intra-frame dispersion 116, the maximum value 121 of the sizes of the difference vectors and a butter memory occupancy amount 118.